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FILE 'MEDLINE' ENTERED AT 18:17:13 ON 28 APR 2005

L1 246387 S LIPID  
L2 95194 S APOPTOSIS  
L3 2108 S L1 (L) L2  
L4 24 S LIPID (1W) APOPTOSIS  
L5 12 S L4 AND PY<2002

L5 ANSWER 1 OF 12 MEDLINE on STN  
TI Signalling steps in apoptosis by ether lipids.  
AU Smets L A; Van Rooij H; Salomons G S  
SO Apoptosis : an international journal on programmed cell death, (1999 Dec) 4 (6) 419-27.  
Journal code: 9712129. ISSN: 1360-8185.  
SO Apoptosis : an international journal on programmed cell death, (1999 Dec) 4 (6) 419-27.  
Journal code: 9712129. ISSN: 1360-8185.  
AB . . . L-buthionine-S-R-sulfoximine (L-BSO) lowered the resistance of S49ar cells to ALP, stress factors and ionising radiation. The results indicate that ether **lipids** induce **apoptosis** by imposing a special form of physico-chemical stress, mediated by reactive oxygen species but independent of p53 status. The capacity. . .

L5 ANSWER 2 OF 12 MEDLINE on STN  
TI Clusterin, a binding protein with a molten globule-like region.  
AU Bailey R W; Dunker A K; Brown C J; Garner E C; Griswold M D  
SO Biochemistry, (2001 Oct 2) 40 (39) 11828-40.  
Journal code: 0370623. ISSN: 0006-2960.  
SO Biochemistry, (2001 Oct 2) 40 (39) 11828-40.  
Journal code: 0370623. ISSN: 0006-2960.  
AB . . . secreted by cultured rat Sertoli cells. The function of clusterin is unknown, but it has been associated with cellular injury, **lipid transport**, **apoptosis**, and it may be involved in the clearance of cellular debris caused by cell injury or death. Consistent with this. . .

L5 ANSWER 3 OF 12 MEDLINE on STN  
TI Effects of cellular redox balance on induction of apoptosis by eicosapentaenoic acid in HT29 colorectal adenocarcinoma cells and rat colon in vivo.  
AU Latham P; Lund E K; Brown J C; Johnson I T  
SO Gut, (2001 Jul) 49 (1) 97-105.  
Journal code: 2985108R. ISSN: 0017-5749.  
SO Gut, (2001 Jul) 49 (1) 97-105.  
Journal code: 2985108R. ISSN: 0017-5749.  
AB . . . apoptosis than those fed corn oil, and glutathione depletion enhanced this effect. CONCLUSIONS: Incorporation of EPA into colonic epithelial cell **lipids** increases **apoptosis**. The results of this study, using both an animal and cell line model, support the hypothesis that this effect is. . .

L5 ANSWER 4 OF 12 MEDLINE on STN  
TI Loss of cyclin A and G1-cell cycle arrest are a prerequisite of ceramide-induced toxicity in human arterial endothelial cells.  
AU Spyridopoulos I; Mayer P; Shook K S; Axel D I; Viebahn R; Karsch K R  
SO Cardiovascular research, (2001 Apr) 50 (1) 97-107.  
Journal code: 0077427. ISSN: 0008-6363.  
SO Cardiovascular research, (2001 Apr) 50 (1) 97-107.  
Journal code: 0077427. ISSN: 0008-6363.  
AB BACKGROUND: Ceramide is an important messenger of TNF- and **lipid**-induced **apoptosis**. We previously demonstrated the adverse effect of TNF in the process of reendothelialization as well as the dependence of its. . .

L5 ANSWER 5 OF 12 MEDLINE on STN  
TI Intracellular triggering of Fas, independently of FasL, as a new mechanism of antitumor ether **lipid**-induced **apoptosis**.  
AU Gajate C; Fonteriz R I; Cabaner C; Alvarez-Noves G; Alvarez-Rodriguez Y; Modolell M; Mollinedo F  
SO International journal of cancer. Journal international du cancer, (2000 Mar 1) 85 (5) 674-82.  
Journal code: 0042124. ISSN: 0020-7136.  
TI Intracellular triggering of Fas, independently of FasL, as a new mechanism of antitumor ether **lipid**-induced **apoptosis**.  
SO International journal of cancer. Journal international du cancer,

L5 ANSWER 6 OF 12 MEDLINE on STN  
 TI Induction of apoptosis in macrophages by cationic liposomes.  
 AU Aramaki Y; Takano S; Tsuchiya S  
 SO FEBS letters, (1999 Nov 5) 460 (3) 472-6.  
 Journal code: 0155157. ISSN: 0014-5793.  
 SO FEBS letters, (1999 Nov 5) 460 (3) 472-6.  
 Journal code: 0155157. ISSN: 0014-5793.  
 AB . . . on apoptosis in macrophages were evaluated from DNA content and DNA fragmentation. Cationic liposomes composed of different kinds of cationic lipids induced **apoptosis** in mouse splenic macrophages and the macrophage-like cell line, RAW264.7 cells. Generation of reactive oxygen radicals from macrophages treated with. . .

L5 ANSWER 7 OF 12 MEDLINE on STN  
 TI Effect of synthetic lipids on **apoptosis** and expression of alkaline phosphatase in B-lymphocytes: influence on lipopolysaccharide action.  
 AU Souvannavong V; Andreau K; Adam A; Chaby R  
 SO FEMS immunology and medical microbiology, (1999 Oct) 26 (1) 37-47.  
 Journal code: 9315554. ISSN: 0928-8244.  
 TI Effect of synthetic lipids on **apoptosis** and expression of alkaline phosphatase in B-lymphocytes: influence on lipopolysaccharide action.  
 SO FEMS immunology and medical microbiology, (1999 Oct) 26 (1) 37-47.  
 Journal code: 9315554. ISSN: 0928-8244.

L5 ANSWER 8 OF 12 MEDLINE on STN  
 TI Regulation of membrane release in apoptosis.  
 AU Zhang J; Driscoll T A; Hannun Y A; Obeid L M  
 SO Biochemical journal, (1998 Sep 1) 334 ( Pt 2) 479-85.  
 Journal code: 2984726R. ISSN: 0264-6021.  
 SO Biochemical journal, (1998 Sep 1) 334 ( Pt 2) 479-85.  
 Journal code: 2984726R. ISSN: 0264-6021.  
 AB . . . measured by release of either 3H-labelled AA or palmitic acid. Thus the present study demonstrates that the release of membrane lipids during **apoptosis** defines a new assay for apoptosis and has allowed the investigation of the mechanisms regulating formation of apoptotic bodies.

L5 ANSWER 9 OF 12 MEDLINE on STN  
 TI Coordinate regulation of stress- and mitogen-activated protein kinases in the apoptotic actions of ceramide and sphingosine.  
 AU Jarvis W D; Fornari F A Jr; Auer K L; Freemerman A J; Szabo E; Birrer M J; Johnson C R; Barbour S E; Dent P; Grant S  
 SO Molecular pharmacology, (1997 Dec) 52 (6) 935-47.  
 Journal code: 0035623. ISSN: 0026-895X.  
 SO Molecular pharmacology, (1997 Dec) 52 (6) 935-47.  
 Journal code: 0035623. ISSN: 0026-895X.  
 AB . . . imidazole SB-203580 failed to mitigate the cytotoxicity associated with either ceramide or sphingosine, suggesting that p38-RK is not essential for **lipid**-induced **apoptosis**. These findings demonstrate that reciprocal alterations in the SAPK and MAPK cascades are associated with the apoptotic influence of either. . .

L5 ANSWER 10 OF 12 MEDLINE on STN  
 TI Vitamin E inhibits apoptosis, DNA modification, and cancer incidence induced by iron-mediated peroxidation in Wistar rat kidney.  
 AU Zhang D; Okada S; Yu Y; Zheng P; Yamaguchi R; Kasai H  
 SO Cancer research, (1997 Jun 15) 57 (12) 2410-4.  
 Journal code: 2984705R. ISSN: 0008-5472.  
 SO Cancer research, (1997 Jun 15) 57 (12) 2410-4.  
 Journal code: 2984705R. ISSN: 0008-5472.  
 AB . . . were fed with vitamin E-sufficient (control) and vitamin

E-supplemented diets throughout the experiment. After 1 month of feeding, iron-induced tissue **lipid peroxidation, apoptosis, and formation of 8-hydroxydeoxyguanosine**, a known DNA oxidative modification, were observed by cold Schiff staining, *in situ* labeling method (staining. . . of the vitamin E-sufficient rats died during the first 3-month period. The results showed that vitamin E could inhibit tissue **lipid peroxidation, apoptosis, 8-hydroxydeoxyguanosine formation, and the development of cancer** [11 of 25 rats (44%) for vitamin E-sufficient versus 1 of 20 rats. . .

L5 ANSWER 11 OF 12 MEDLINE on STN  
TI Oxidized low density lipoproteins alter macrophage **lipid uptake, apoptosis, viability and nitric oxide synthesis.**  
AU Yang X; Galeano N F; Szabolcs M; Sciacca R R; Cannon P J  
SO Journal of nutrition, (1996 Apr) 126 (4 Suppl) 1072S-5S.  
Journal code: 0404243. ISSN: 0022-3166.  
TI Oxidized low density lipoproteins alter macrophage **lipid uptake, apoptosis, viability and nitric oxide synthesis.**  
SO Journal of nutrition, (1996 Apr) 126 (4 Suppl) 1072S-5S.  
Journal code: 0404243. ISSN: 0022-3166.

L5 ANSWER 12 OF 12 MEDLINE on STN  
TI The induction of apoptosis is a common feature of the cytotoxic action of ether-linked glycerophospholipids in human leukemic cells.  
AU Diomede L; Piovani B; Re F; Principe P; Colotta F; Modest E J; Salmona M  
SO International journal of cancer. Journal international du cancer, (1994 Jun 1) 57 (5) 645-9.  
Journal code: 0042124. ISSN: 0020-7136.  
SO International journal of cancer. Journal international du cancer, (1994 Jun 1) 57 (5) 645-9.  
Journal code: 0042124. ISSN: 0020-7136.  
AB . . . Molt-4 and U937 cells respectively. Similar results were obtained when cells were exposed to ET-18-OCH3. Our data confirm that ether **lipids induce apoptosis** in a variety of human leukemic cells, providing a possible explanation for their selectivity and mechanism of action.